

IN THE SPECIFICATION

Please amend the paragraph at page 106, line 14 to page 107, line 3, as follows:

In the third embodiment, ~~When~~ when the Web default application 2310 is executed through “rolechange.cgi”, the Web default application 2310 replaces the profile information 63b in the common path information 60a of the URL with ~~the profile as the regular user~~ a different profile. In this case, the default handler 2210 calls a function rolechange() based on “rolechange.cgi”. The Web application distribution common library 2120 selects the style sheet 2430 based on the page information 65 showing “rolechange.cgi”. For example, the style sheet 2430 is properly selected by “rolechange.xml” corresponding “rolechange.cgi”. The Web application distribution common library 2120 executes the authentication handler 2205 by “authentication_handler” to authenticate the user of the terminal 2040 when the user requests the Web page for the higher profile.

Please amend the paragraph at page 107, lines 4-15, as follows:

For example, when the user who is actually the system administrator of the terminal 2042 accesses the information processing apparatus 2100 as the regular user to display the initial display screen, in accordance with the process flows shown in FIGS. 31, 32, 37, and 38 similar to the second embodiment, the default handler 2210 sequentially calls the Web default application 2310 through “default.cgi”, and then “netsetting.cgi” to display the initial display screen at the terminal 2042, as described above. As a result, for example, the network setting page ~~[[are]]~~ is displayed at the terminal 2042 as shown in FIG. 45 in the second embodiment.

Please amend the paragraph at page 108, lines 4-15, as follows:

FIG. 51 is a diagram showing a process flow by rolechange.cgi according to the third embodiment of the present invention. In FIG. 51, the user of the terminal 2042 selects the network setting page for the ~~system administrator~~ different profile from a menu ~~showing a profile lists~~. In this case, a menu HTML for displaying the menu includes a script for each changing a profile. For example,

~~~~
 is described for the system administrator in the menu HTML. This script indicates that "rolechange.cgi" changes the profile information [[53b]] 63b in a current common path information 60a to a predetermined profile "admin" showing the system administrator.

Please amend the paragraph at page 108, lines 16-20, as follows:

When the user selects the network setting page for the system administrator, an HTML request changing a role is sent from the terminal 2042 to the information processing apparatus 2100 by indicating a URL of

~~"/pc/admin/en/webDefaultApl/rolechange.cgi"~~
"/pc/user/en/webDefaultApl/rolechange.cgi" (step S231).

Please amend the paragraph at page 108, line 21 to page 109, line 10, as follows:

Based on "webDefaultApl/rolechange.cgi", the default handler 2210 calls the function rolechange() so that the Web default application 2310 is executed. Then, the Web default application 2310 in the Web page handler 2300 obtains profile information [[53b]] 63b from the common path information 60a of the URL and creates a URL to call the network setting page having the profile information [[53b]] 63b showing "admin" (step S235). For example, "/pc/admin/en" is determined as the common path information

60a and "/webMainframDefaultApl/netsetting.cgi" is determined as the relative path information 60b. And the XSLT processor 2205 generates an HTML response having the URL calling the network setting page for the system administrator based on "rolechange.xml". The HTML response is sent to the terminal 2042.

Please amend the paragraph at page 109, lines 11-14, as follows:

The HTML is not display at the browser of the terminal 2042 but automatically calls a HTML request displaying network settings with the profile information [[53b]] 63b showing "admin" (step S240).

Please amend the paragraph at page 109, lines 15-24, as follows:

The authentication handler 2205 includes an authentication determining part 2206 for determining whether or not the user is required to be authenticated based on the URL of the HTML request and an authenticating part 2208 for authenticating the user by referring to the authentication information DB 2121. When the authentication handler 2205 is executed, the authentication handler 2208 obtains the profile information [[53b]] 63b set in the URL and the determining part 2206 determines whether or not the profile information [[53b]] 63b shows "admin" (step S243).

Please amend the paragraph at page 109, line 25 to page 110, line 10, as follows:

In this case, since the profile information [[53b]] 63b shows "admin", the determining part 2206 determines that the user is required to be authenticated. Thus, the authentication handler 2205 sends an authentication request, that is, sends a predetermined "401 error" to require authentication information to the terminal 2042 (step S245). On the other hand, when the determining part 2206 determines that the user

is not required to be authenticated, the authenticating part 2208 of the authentication handler 2205 executes the Web default application 2310 by calling the function "netsetting.cgi" (step S244).

Please amend the paragraph at page 111, lines 3-7, as follows:

After the process result is provided from the default application 2310, the network setting HTML for the system administrator is created based on the profile information ~~[[53c]]~~ 63b showing "admin" and sent to the terminal 2042 (step S270).

Please amend the paragraph at page 111, lines 8-14, as follows:

Once the terminal 2042 accesses the information processing apparatus 2100 by the URL of ~~"/pc/admin/en/webDefaultApl/rolechange.cgi"~~, "/pc/admin/en/webDefaultApl/netsetting.cgi" ~~"/pc/admin/en"~~ is always succeeded while the user conducts the page transition. After that, the Web page provided from the information processing apparatus 2100 by the page transition can be the Web page for the system administrator.

Please amend the paragraph at page 111, lines 15-25, as follows:

Next, a process flow conducted by netsetting.cgi from step S255 and step S270 will be described with reference to FIG. 52 and FIG. 53 in detail. FIG. 52 and FIG. 53 are diagrams showing the process flow by netsetting.cgi according to the third embodiment of the present invention. In FIG. 52, the default handler 2210 of the Web page handler 2200 obtains the page information 65 showing "netsetting.cgi", and specifies and calls the function netsetting() corresponding to "netsetting.cgi" (step S255). In this case, the HTTP connection information ~~2340~~ 340 is set as an argument.

Please amend the paragraph at page 114, line 18 to page 115, line 2, as follows:

Values that can be set in the URL as the profile information [[53b]] 63b will be ~~describe~~ described with reference to FIG. 54. FIG. 54 is a diagram showing a correspondence between the profile information to set in the URL and the profile of the user according to the third embodiment of the present invention. In FIG. 54, “user” set in the URL shows that the user requests the Web page as the regular user, “admin” set in the URL shows that the user requests the Web page as the system administrator, “service” shows that the user requests the Web page as the service person, and a like.

Please amend the paragraph at page 115, lines 3-8, as follows:

The authentication handler 2205 may send “401 error” if the profile information [[53c]] 63b set in the URL is a higher level than the profile of the user managed in the authentication information DB 2121. The authentication handler 2205 may determine whether or not the user is required to be authenticated.

Please amend the paragraph at page 116, lines 6-22, as follows:

In FIG. 56, an XML 2500 shows the process result when the user is successfully authenticated to change the profile information [[53c]] 63b from “user” to “admin”. In an XML 2500 shown in FIG. 56, the process result by the function netsetting() of the Web default application 2310 is shown by a script 2501 showing from <networkResponse> to </networkResponse>. A script 2502 showing <terminal>pc</terminal> shows that the terminal 2042 is a personal computer, a script 2503 showing <language>en</language> shows that a language displayed at the Web browser of the terminal 2042 is English, and a script 2504 showing

<profile>admin</profile> shows that the user of the terminal 2042 is the system administrator. The scripts 2502 through 2504 show information based on the terminal type information 63a, the profile information 63b, and the language information 63c of the common path information 60a of the URL.

Please amend the paragraph at page 117, lines 14-20, as follows:

The style sheet 2430, which converts the process result data described in XML to be serialized, into HTML by the XSLT processor 2205 based on ~~the terminal type~~ profile information 63b, will be described with reference to FIG. 57. FIG. 57 is a diagram showing a description example of the style sheet for converting the process result from XML to HTML according to the third embodiment of the present invention.

Please amend the paragraph at page 119, lines 7-25, as follows:

By the script 2575, the network setting HTML can be linked to either one of two Web pages: "Browse System Status" page and "Browse System Configurations". By a script 2576 showing `[[>]]`, "webSysstatusApl" as the Web application information 64 and "sysstatus.cgi" as the page information 65 are set as the relative path. When the "Browse System Status" page is selected by the user of the terminal 2042, the "Browse System Status" page is displayed at the terminal 2042 while a current ~~language profile~~ information `[[63c]]` 63b is succeeded to by `[".."]`. In the same manner, `[[By]]` by a script 2577 showing ``, "webSysconfigApl" as the Web application information 64 and "sysconfig.cgi" as the page information 65 are set as the relative path. When the "Browse System Configurations" page is selected by the user of the terminal

2042, the “Browse System Configurations” page is displayed at the terminal 2042 while [[a]] the current profile information 63b is succeeded to by “../”.

Please amend the paragraph at page 120, lines 12-17, as follows:

As described above, when the user conducts the page transition among the Web applications 2301, the profile information [[53c]] 63b is automatically succeeded. Therefore, the user of the terminal 2040 is not required to indicate the profile of the user to request the Web page suitable for the profile.

Please amend the paragraph at page 120, line 25 to page 121, line 8, as follows:

Furthermore, the profile information [[53c]] 63b is succeeded with respect to the request from each of the terminals 2040. Therefore, it is possible to display the Web page suitable for the profile of the user at the terminal 2040. In addition, the user is authenticated when the user changes the profile to display the Web page suitable for the profile. Accordingly, it is possible to protect information maintained in the information processing apparatus 2100 depending on the profile of the user.

Application No.: 10/622,572

IN THE DRAWINGS

The attached drawing sheets include changes to Figures 51 and 55. These sheets replace the original sheets including Figures 51 and 55.

Attachment: Replacement Sheets (2)